

ELAINE XU

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Summary

As a fast learner and lifelong learner, I am deeply passionate about continuous learning within the dynamic realm of IT. My learning journey has equipped me with proficient skills in Python, Flask, HTML, CSS, relational databases, Object-Oriented Programming, and user experience design. Through collaborative team projects, I have honed my expertise in GitHub and embraced Agile methodologies like Scrum. Equipped with ability to develop full-stack web applications in Python and Flask, I eager to apply my knowledge and experience in real-world industrial projects, I am committed to contributing meaningfully while perpetually expanding my skill set.

Below you will find projects I have completed that showcase my skills and general background.

Skills

Python, Flask, Jinja2, HTML5, CSS3, Bootstrap, MySQL, MongoDB, GitHub, Scrum, Entry-level JavaScript

Education

Lincoln University

Nov 2022 - Present

Master of Applied Computing GPA 8.0/9.0

- **Courses completed:** Software Development (A), User Experience (A), Database Management (A), Studio Project (A), Advanced programming (A+)

Whitecliffe College

Jul 2022 - Nov 2022

Level 4 NZ Certificate in IT Essentials: Information Technology GPA 9.0/9.0

- **Courses:** IT Fundamentals (A+), Information Management (A+), Web Design (A+), Software Development (A+)

Shandong University | Top 2% University in China

Sept 2007 - Jul 2010

Master of Science: Biochemistry and Molecular Biology GPA 8.73/9.0

Shandong University | Top 2% University in China

Sept 2003 - Jul 2007

Bachelor of Science: Biotechnology GPA 7.8/9.0 (TOP 5%)

Projects

Online Movie Ticket Booking System

Python, JavaScript, Flask, HTML, CSS, Bootstrap, GitHub

July 2023 - Nov 2023

- Independently designed and developed a Full Stack web app from scratch, incorporating Object Oriented Programming principles.
- Enabled 3 different roles (Admin, Front Desk Staff, Customer) to login the system to do movie searching, screening, booking, cancelling, notification system etc
- Independently designed and developed a cohesive and clean website with optimal user experience

LU Postgraduate Monitoring System

Python, JavaScript, Flask, HTML, CSS, Bootstrap, MySQL, GitHub, SCRUM

Apr 2023 - Jun 2023

- Developed a full-stack web application from the start to finish in 5-person team in 7 weeks
- Enabled 5 different roles to login, fill in report, give feedback, monitor report progress, send email etc.
- Led the creation of data model, ERD and UI design
- Represented the team to engage in discussions during regular meetings with the Product Owner

Fitness Club Management System

Python, Flask, HTML, CSS, Bootstrap, MySQL, GitHub, SCRUM

Feb 2023 – Apr 2023

- Developed a full-stack web application from the start to finish in 5-person team in 5 weeks
- Took the lead in designing Entity-Relationship Diagram (ERD)
- Implemented role-based access for 3 distinct user roles, enabling efficient membership management, class booking, attendance recording, report generation etc.

Website for Quanta Plumbing and Drainage

HTML, CSS

Oct 2022 – Nov 2022

- Crafted a professional website effectively showcase customer's services
- Developed a cohesive and clean website design to ensure an optimal user experience
- Incorporated client-provided imagery across all pages to enhance visual appeal and relevance
- Ensured intuitive navigation and consistent styling for a visually appealing website

Work History

Production Assistant Greenhouse

Sept 2021 – Mar 2022

Zonda Beneficials – Auckland, New Zealand

- Played a pivotal role in the development, maintenance, and production of beneficial insects and mites, with a focus on Spidex production
- Continually reviewed production processes and practices, proactively seeking opportunities to optimize operations and achieve maximum efficiency levels
- Successfully achieved a remarkable increase in productivity through daily monitoring and successfully fulfilling the largest order ever

Biotechnologist

Sept 2015 – Oct 2019

Zelande Ltd – Auckland, New Zealand

- Organised and conducted precise Queen Honeybee Artificial Insemination experiments
- Led a team of 6 in rearing up to 4000 queen bees per week during peak seasons, contributing to Zelande becoming a top supplier of virgin queen honeybees
- Trained new employees in queen bee rearing and breeding techniques

Honors & Awards

- Outstanding Student Scholarship (Won school scholarship every semester) Sept 2003 – Jul 2007
- **Was selected as an outstanding student and was recommended to postgraduate study without examination** Jul 2007
- Outstanding graduate thesis Award Jul 2010
- National Computer Rank Examination Certificate Level 3 2005